

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

SUBJECT: Toxicological Review of Radiological Data 20 July 2012
Dimock, PA

FROM: Dawn A. Ioven, toxicologist
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U.S. EPA recently collected samples from 61 homewells in Dimock, PA: HW01, HW02, HW03, HW04, HW05, HW06, HW07, HW08a, HW09, HW11, HW12, HW13, HW14, HW15a, HW16, HW17, HW18, HW19, HW20, HW21, HW22, HW23, HW24, HW25, HW26, HW27, HW28a, HW28b, HW29, HW30, HW31, HW32, HW33a, HW33b, HW34a, HW35, HW36N, HW38, HW39, HW40, HW41, HW42, HW43, HW44, HW45, HW46, HW47, HW48, HW49, HW50, HW51, HW52, HW53, HW54, HW55, HW56, HW57, HW58, HW59, HW60, HW61, HW62, HW63 and HW64. These samples were specifically analyzed for *radionuclides*; the presence or absence of *chemical* substances was assessed and reported separately. Analytical results were validated and compared to risk-based screening levels (set at an excess cancer risk of $1E-04$); the screening levels were derived using U.S. EPA's Preliminary Remediation Goal Calculator for Radionuclides (http://epa-prgs.ornl.gov/cgi-bin/radionuclides/rprg_search) and/or standards for public drinking water supplies (<http://water.epa.gov/drink/contaminants/index.cfm#>).

No radionuclides were detected in excess of trigger concentrations, as described above, in any sample from any well. Given these observations, radionuclides are not expected to pose a health risk in the sampled homewells.



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